

HOUSE ONE DIY FLOATING SHELF

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CUT LIST

1 x 8 Shelf – 2 @ 24"
1 x 2 Front – 1 @ 24"
1 x 2 Sides – 2 @ 6½"
2 x 2 Cleat – 1 @ 22½"
2 x 2 Legs – 3 @ 5"

MATERIALS LIST

1 x 8 x 6
1 x 2 x 6
2 x 2 x 6
Wood Glue
1¼-inch Wood Screws
2½-inch Wood Screws
Wood Filler
Sandpaper
Paint or Stain

TOOLS

Miter Saw
Drill/Driver
Putty Knife
Orbital Sander
Paint Brush
Stud-finder

STEP 1 - CUT THE SHELF TO LENGTH

Cut two pieces from the 1 x 8 boards to the width of the shelf, which for this project is 24 inches.

STEP 2 - SIZE THE SPACERS

Using the cut list above, cut the 1 x 2 front and side pieces to length.

STEP 3 - PREP THE 1 X 2 SPACERS

With the shelf piece cut, we're ready to assemble the shelf box. First assemble the 1x2 pieces by drilling two pilot holes through the longer piece into each shorter pieces.

STEP 4 - APPLY GLUE

Apply wood glue to the ends of the shorter 1×2 pieces.

STEP 5 - SECURE THE SPACERS

Drive 1¼-inch wood screws through the longer 1×2 pieces and into the ends of the shorter 1×2 pieces to hold the pieces in place.

STEP 6 - LAYOUT THE SHELF PARTS

Sandwich the assembled 1×2's between the 1×8 top and bottom of the shelf.

STEP 7 - DRILL PILOT HOLES

To hold the layers together, first drill pilot holes through the shelf's top and bottom pieces and into the 1×2's.

STEP 8 - APPLY THE GLUE

Apply a coat of wood glue between the layers.

STEP 9 - ASSEMBLE THE SHELF PARTS

Using a drill/driver, drive 1¼-inch wood screws through the shelf's top and bottom and into the 1×2's to hold the layers securely in place.

STEP 10 - CUT THE CLEAT PIECES

Lastly, to make the cleat that will attach directly to the wall and hold the shelf in place, cut the 2×2 pieces to size (see cut list above).

STEP 11 - PREP THE CLEAT FOR ASSEMBLY

Attach the 2×2 legs to the cleat by first drilling two pilot holes through the cleat and into each leg.

STEP 12 - ASSEMBLE THE CLEAT

Apply wood glue to the end of each leg, and then drive 2½-inch wood screws through the cleat and into each leg.

STEP 13 - MOUNT THE CLEAT ON THE WALL

To hang the shelf, first mark its location. It's best to screw the cleat into a wall stud, which can be found using a stud finder. If that's not an option, drywall anchors can also be used to add strength. Position the cleat on the wall. Use a small level to adjust the placement. Screw through the cleat and into the wall with 2½-inch screws.

STEP 14 - PLACE THE SHELF BOX ON THE CLEAT

Slide the shelf box over the cleat. Drive one final screw or finish nail through the shelf and into the cleat to hold it in place.